

Appl. No. 09/254,743
Amdt. dated February 9, 2004
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-33. (Canceled).

1 34. (Previously presented) A cooling ceiling comprising: cooling tube mats
2 that may be attached by means of a carrying system to a bare ceiling; and separate upper and
3 lower dry building panels arranged in a sandwiched construction and spaced apart from one
4 another by spacers thereby forming shallow hollow cavities; wherein the cooling tube mats are
5 located in the hollow cavities and the upper panels are provided with at least one of a thermal
6 barrier and a thermally reflecting layer.

1 35. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the cooling tube mats consist of plastic cooling tube mats.

1 36. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the upper and lower dry building panels consist of fire resistant dry building panels.

1 37. (Previously presented) A cooling ceiling in accordance with claim 36
2 wherein the fire resistant dry building panels consist of one of sandwich-type plaster board
3 panels or gypsum fiber board panels.

1 38. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the upper panels are provided with a thermally reflecting layer consisting of a foil of
3 aluminum.

1 39. (Previously presented) A cooling ceiling in accordance with claim 34
2 further comprising a sound insulation located at least in a region of the lower panels in order to
3 attenuate flow noises originating from the cooling tube mats.

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1 40. (Previously presented) A cooling ceiling in accordance with claim 39
2 wherein the sound insulation consists of a sound insulating fleece.

1 41. (Previously presented) A cooling ceiling in accordance with claim 40
2 wherein the sound insulating fleece is arranged beneath the cooling tube mat on an upper side of
3 the lower dry building panels.

1 42. (Previously presented) A cooling ceiling in accordance with claim 40
2 wherein the sound insulating fleece is arranged beneath the lower dry building panels.

1 43. (Previously presented) A cooling ceiling in accordance with claim 42
2 wherein the sound insulating fleece is first subsequently attached to an installed cooling ceiling
3 in a manner of a wallpaper.

1 44. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the upper and lower dry building panels and the spacers consist of pre-manufactured
3 elements.

1 45. (Previously presented) A cooling ceiling in accordance with claim 44
2 wherein the pre-manufactured elements that receive the cooling tube mats and hollow cavities
3 each comprise an upper dry building panel, a lower dry building panel and at least two bar-like
4 spacers.

1 46. (Previously presented) A cooling ceiling in accordance with claim 45
2 wherein the pre-manufactured elements further include a thermal barrier and a sound insulation.

1 47. (Previously presented) A cooling ceiling in accordance with claim 45
2 wherein not every premanufactured element is provided with a cooling tube mat.

1 48. (Previously presented) A cooling ceiling in accordance with claim 44
2 wherein the pre-manufactured elements may be directly attached to the bare ceiling.

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1 49. (Previously presented) A cooling ceiling in accordance with claim 44
2 wherein the pre-manufactured elements may be attached to the bare ceiling by means of one of
3 nails or screws to a lath arrangement attached to the bare ceiling.

1 50. (Previously presented) A cooling ceiling in accordance with claim 44
2 wherein the pre-manufactured elements may be suspended from the bare ceiling.

1 51. (Previously presented) A cooling ceiling in accordance with claim 50
2 wherein the pre-manufactured elements are suspended from the bare ceiling by means of hangers
3 for CD sections, wherein the CD sections may be attached to the hangers and the elements may
4 be attached to the CD sections.

1 52. (Previously presented) A cooling ceiling in accordance with claim 51
2 wherein points of attachment for the CD sections arranged on the hangers have fixed spacings
3 from one another, and wherein the premanufactured elements have dimensions in a length
4 direction and in a width direction that are matched to the fixed spacings.

1 53. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the attachment of the upper and lower panels to one another takes place at positions at
3 which spaces are provided.

1 54. (Previously presented) A cooling ceiling in accordance with claim 34
2 wherein the lower dry building panels are provided with holes.

1 55. (Previously presented) A cooling ceiling comprising: cooling tube mats;
2 upper dry building panels with a thermal barrier secured thereto, the thermal barrier being
3 attached to a lower side of the upper dry building panels;

4 spacers that may attached to the lower side of the upper dry building panels;

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- 5 lower dry building panels that may be attached to the spacers in order to form
6 hollow cavities that receive cooling tube mats; and
- 7 a sound insulation that may be attached at one of either between the spacers and
8 the upper side of the lower panels, or in a manner of a wallpaper to a lower side of the lower
9 panels.